Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

- 1. (Currently Amended) An apparatus comprising:
- a first cell frame;
- a second cell frame including an in-flow port and an out-flow port both placed along a perimeter of the second cell frame, the out-flow port positioned above the in-flow port; and
- a compartment formed between the first cell frame and the second cell frame, the compartment to house an anode, a cathode and a first membrane positioned between the anode and the cathode.
- 2. (Original) The apparatus of claim 1 further comprising a plurality of screen spacers including a first screen spacer positioned between the anode and the first membrane and a second screen spacer positioned between the cathode and the first membrane.
- 3. (Original) The apparatus of claim 1, wherein the anode is configured as a self-supporting screen including at least one connector for attachment to a bus bar situated on a top edge of the first cell frame.
- 4. (Original) The apparatus of claim 3, wherein the cathode is configured as a mesh screen having at least one connector protruding from the mesh screen for coupling with a bus bar on a top edge of the second cell frame.
- 5. (Original) The apparatus of claim 4, wherein at least one sidewall of the second cell frame is either translucent or transparent.
- 6. (Original) The apparatus of claim 1 being a membrane electrolysis (ME) unit to recover chemical elements.

- 7. (Original) The apparatus of claim 1 being a membrane electrolysis (ME) unit to remove a chemical element from a process solution for recycling of the chemical element.
 - 8. (Original) The apparatus of claim 2 further comprising:
- a first clamping frame situated adjacent to the first cell frame so that the first cell frame is between the first clamping frame and the first screen spacer;
- a second clamping frame situated adjacent to the second cell frame so that the second cell frame is between the second clamping frame and the second screen spacer;
- a plurality of fastening rods inserted through apertures of the first clamping frame and the second clamping frame; and
- a plurality of fastening components each positioned on a corresponding end of one of the plurality of fastening rods.
- 9. (Original) The apparatus of claim 8, wherein each of the plurality of fastening components is threaded on the corresponding end of the one of the plurality of fastening rods.
- 10. (Currently Amended) The apparatus of claim 8, wherein the second clamping frame includes an <u>centrally located</u> opening to enable viewing of at least one sidewall of the second cell frame being either translucent or transparent.
- 11. (Currently Amended) The apparatus of claim 1, wherein the second-first cell frame further comprises an in-flow port and an out-flow port both placed along a perimeter of the second-first cell frame, the out-flow port positioned above-below the in-flow port.
- 12. (Currently Amended) The apparatus of claim 2, wherein the compartment formed by the first cell frame and the second cell frame to-further houses a non-conductive frame, a third spacer positioned between the non-conductive frame and the first membrane, a second membrane positioned between the second spacer and the non-conductive frame, and a fourth spacer positioned between the non-conductive frame and the second membrane.

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- 13. (Original) The apparatus of claim 4, wherein the second cell frame includes an end wall that is either transparent or translucent to enable viewing of the cathode.
 - 14. (Currently Amended) An apparatus comprising:

a first cell frame including a first compartment housing an anode and a sidewall being transparent or translucent to view internal components and operations within the first cell frame; and

a second cell frame including a second compartment housing a cathode, wherein the first compartment and the second compartment collectively form a compartment to additionally house at least (i) a first membrane positioned between the anode and the cathode and (ii) a first spacer positioned between the cathode of the second cell frame and the first membrane.

- 15. (Original) The apparatus of claim 14 further comprising a second spacer positioned between the anode and the first membrane.
- 16. (Original) The apparatus of claim 15 further comprising a third cell frame including an anode, a fourth cell frame including a cathode, and a non-conductive frame interposed between (1) the first cell frame and the second cell frame, and (2) the third cell frame and the fourth cell frame.
- 17. (Currently Amended) The apparatus of claim 16, wherein a sidewall of both the first cell frame and the fourth cell frame is either translucent or transparent.
- 18. (Original) The apparatus of claim 14 being a membrane electrolysis (ME) unit to recover chemical elements.
 - 19. (Currently Amended) A system comprising: a unit containing a process solution including chemical elements to be recovered; a process line in fluid communications with the unit; and

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a membrane electrolysis (ME) unit in fluid communications with the unit via the process line, the ME unit comprising

a first cell frame,

a second cell frame,

a plurality of screen spacers including a first screen spacer positioned between the anode and the first membrane and a second screen spacer positioned between the cathode and the first membrane.

a compartment formed between the first cell frame and the second cell frame, the compartment to house an anode, a cathode and a first membrane positioned between the anode and the cathode,

a first clamping frame situated adjacent to the first cell frame so that the first cell frame is between the first clamping frame and the first screen spacer,

a second clamping frame situated adjacent to the second cell frame so that the second cell frame is between the second clamping frame and the second screen spacer, the second clamping frame includes an opening to enable viewing of a substantial portion of a sidewall of the second cell frame being either translucent or transparent,

a plurality of fastening rods inserted through apertures of the first clamping frame and the second clamping frame, and

a plurality of fastening components each positioned on a corresponding end of one of the plurality of fastening rodsa first cell frame including a first compartment that houses an anode, and

a second cell frame including a second compartment that houses a cathode and faces the first compartment, wherein the first compartment and the second compartment collectively form a compartment to additionally house (i) at least a first membrane positioned between the anode and the cathode, (ii) a first spacer positioned between the eathode of the second cell frame and the first membrane, and (iii) a second spacer positioned between the anode of the first cell frame and the first membrane.

20. (Original) The system of claim 19, wherein the unit comprises a holding container with a connector for adaptation to the process line.

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